Amana Domestic Washer—Technical Information
120 V, 60 Hz Models

ALW210RMC PALW210RMC1
ALW210RMW PALW210RMW1

- Due to possibility of personal injury or property damage, always contact an authorized technician for servicing or repair of this unit.
- Refer to Service Manual RS3100007 for detailed installation, operating, testing, troubleshooting, and disassembly instructions.
- Refer to Parts Manual RP3100020 for part number information.

⚠ CAUTION

All safety information must be followed as provided in this Technical Sheet and in Service Manual RS3100007.

⚠ WARNING

To avoid risk of electrical shock, personal injury, or death, disconnect power to unit and discharge capacitor before servicing, unless testing requires it.

Models	ALW210RM*	Models	ALW210RM*
Power Source		**Wash cycles**	6
Voltage AC	120 VAC	**Water temperatures**	3
Amperage (minimum requirement)	15 Amp	**Features**	
Amperage (maximum load)	13 Amp	Steady Spin™ Balance System	X
Frequency	60 Hz	Self-cleaning lint filter	X
Motor horsepower	1/2	Self-adjusting rear leveling legs	X
Receptacle	6-20R	210 Agitation stroke	X
Plug	6-20P	Tri–Action™ wash system	X
Dimensions			
Cabinet		Motor speed	2 speed
Height–overall	43”	Spin speed (revolutions per minute)	710 / 473 rpm
Height of cabinet	36”		
Width	27”	Agitation speed (strokes per minute)	
Depth	28”	High	69 spm
Clearance–washer lid	17 1/2”	Medium	46 spm
Weight			
Crated	193 lbs.		

Component Testing Information

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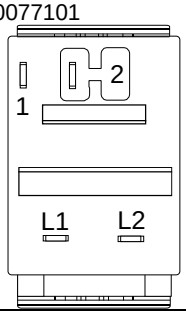
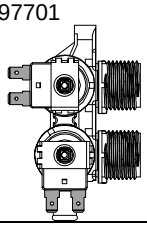
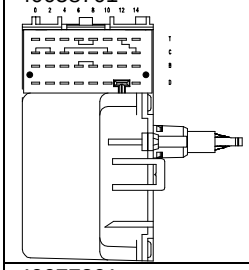
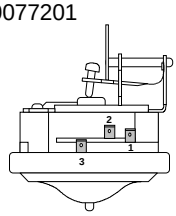
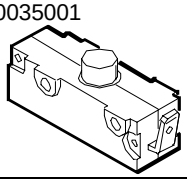
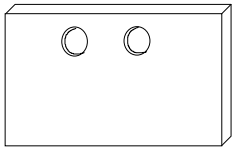
Illustration	Component	Test Procedure	Results
40077101 	Temperature switch	Disconnect wires from component to properly measure the resistance of the component. Place switch in the following positions and measure across the terminals below: Hot / Cold L1-2 ..... Warm / Cold L1-1, L1-2, 1-2 ..... Cold / Cold L1-1	 >1 Ω >1 Ω >1 Ω
40097701 	Mixing valve	Measure resistance of terminals on each valve. Resistance across each valve	Approximately 1000 Ω ± 10%
40058701 	Timer	Verify input and output voltage is present. Verify wiring is correctly connected to the timer.	See timing sequence chart for functional description of the component.
40077201 	Pressure switch	Do not disconnect the pressure hose from pressure switch to perform measurements. Measure resistance across the following terminals on the pressure switch: Terminal 1 to 2 ..... Terminal 1 to 3	**Refer to wiring diagram/schematic for correct contacts.** **Air pressure that actuates switch is determined by the water level of the tub.** Continuity (no pressure) Continuity (pressure)
40035001 	Lid switch–SPST	Disconnect wire terminals from switch. Test terminals with switch closed ..... Test terminals with switch open.....	 Continuity >1 Ω Infinite 1 MΩ
R0000014 	Brake pad kit	If washtub does not stop spinning within seven seconds after opening loading door. If brake pads make noises.....	 Replace all three brake pads. Apply a thin layer of silicone (26594P) on pads, see Service Bulletin "ASQ–213–B"

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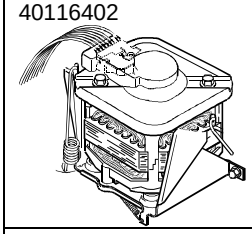
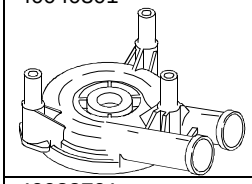
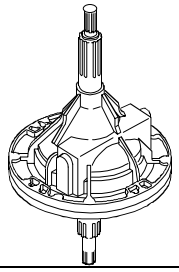
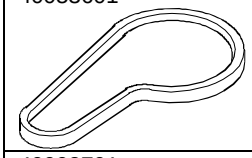
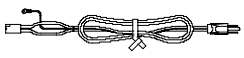
Illustration	Component	Test Procedure	Results
40116402 	Motor	Type of motor: Two speed	**See following section "Internal Motor Diagram and Schematic" for correct wiring contacts.**
40084501	Capacitor	**Discharge Capacitors** Remove wires from capacitor terminals and connect ohmmeter, set on highest resistance scale to terminals. Also check between each terminal and capacitor case.	 Between Terminals: Meter should momentarily deflect towards zero then return to over 5 MΩ. If no deflection occurs, or if continuous deflection occurs, replace capacitor. Terminal to Case: Infinite resistance
40040301 	Drain pump	Verify drain pump is not clogged or damaged.	Remove clog and verify proper operation. Replace drain pump if damaged.
40032701 	Transmission assembly	Type of transmission: 710 rpm	Externally identical, must be identified by part number. If transmission locks-up, replace.
40053601 	Drive belt	Type of drive belt: 710 rpm Refer to "Parts Manual" for proper pulley size.	Refer to "Parts Manual", to verify which drive belt and pulley size is required.
40098701 	Power cord	Measure resistance of wires.	Continuity should be indicated on each wire. Verify polarity and grounding.

Internal Motor Diagram and Schematic

WARNING

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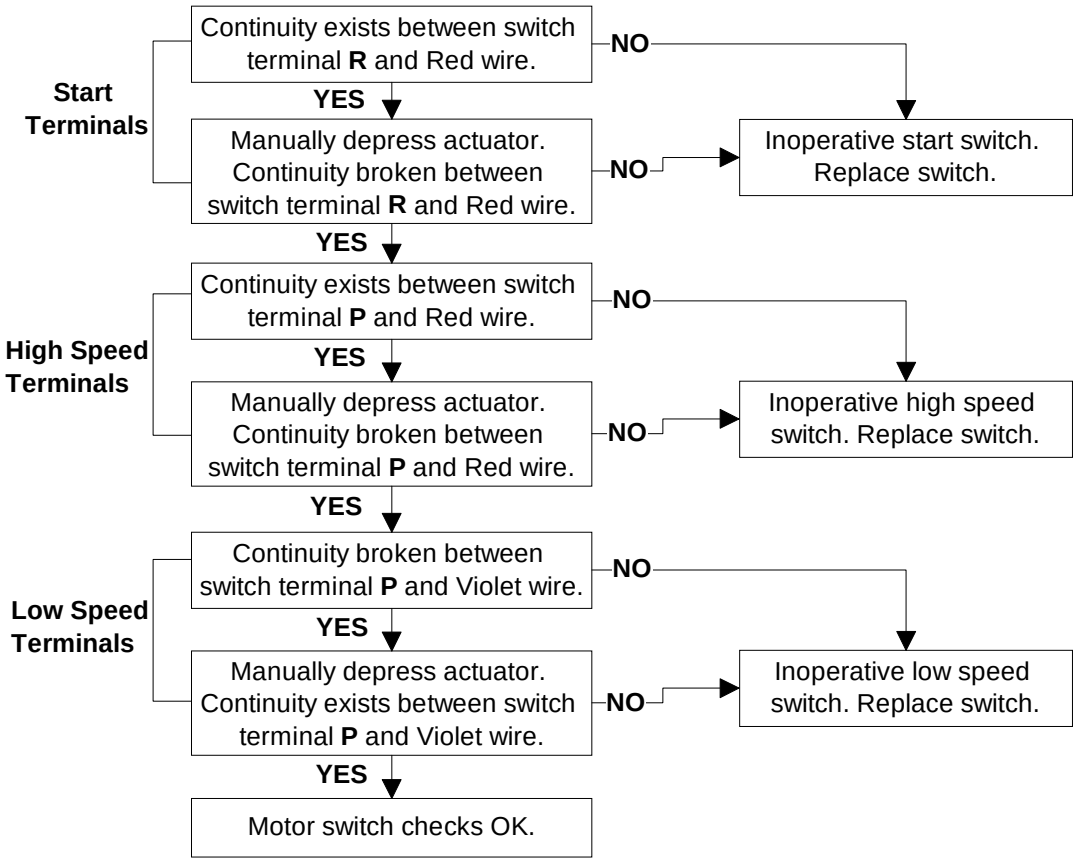
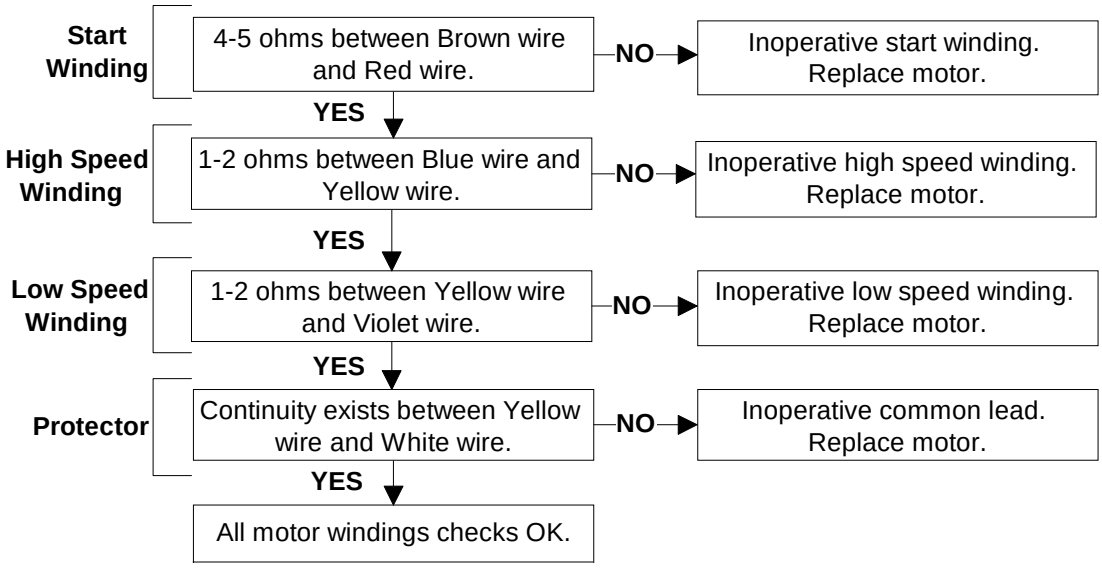
One or Two Speed Motors


Start Terminals
Continuity exists between switch terminal R and Red wire.
NO
YES
Manually depress actuator. Continuity broken between switch terminal R and Red wire.
NO
Inoperative start switch. Replace switch.
YES
High Speed Terminals
Continuity exists between switch terminal P and Red wire.
NO
YES
Manually depress actuator. Continuity broken between switch terminal P and Red wire.
NO
Inoperative high speed switch. Replace switch.
YES
Low Speed Terminals
Continuity broken between switch terminal P and Violet wire.
NO
YES
Manually depress actuator. Continuity exists between switch terminal P and Violet wire.
NO
Inoperative low speed switch. Replace switch.
YES
Motor switch checks OK.



Internal Motor Diagram and Schematic

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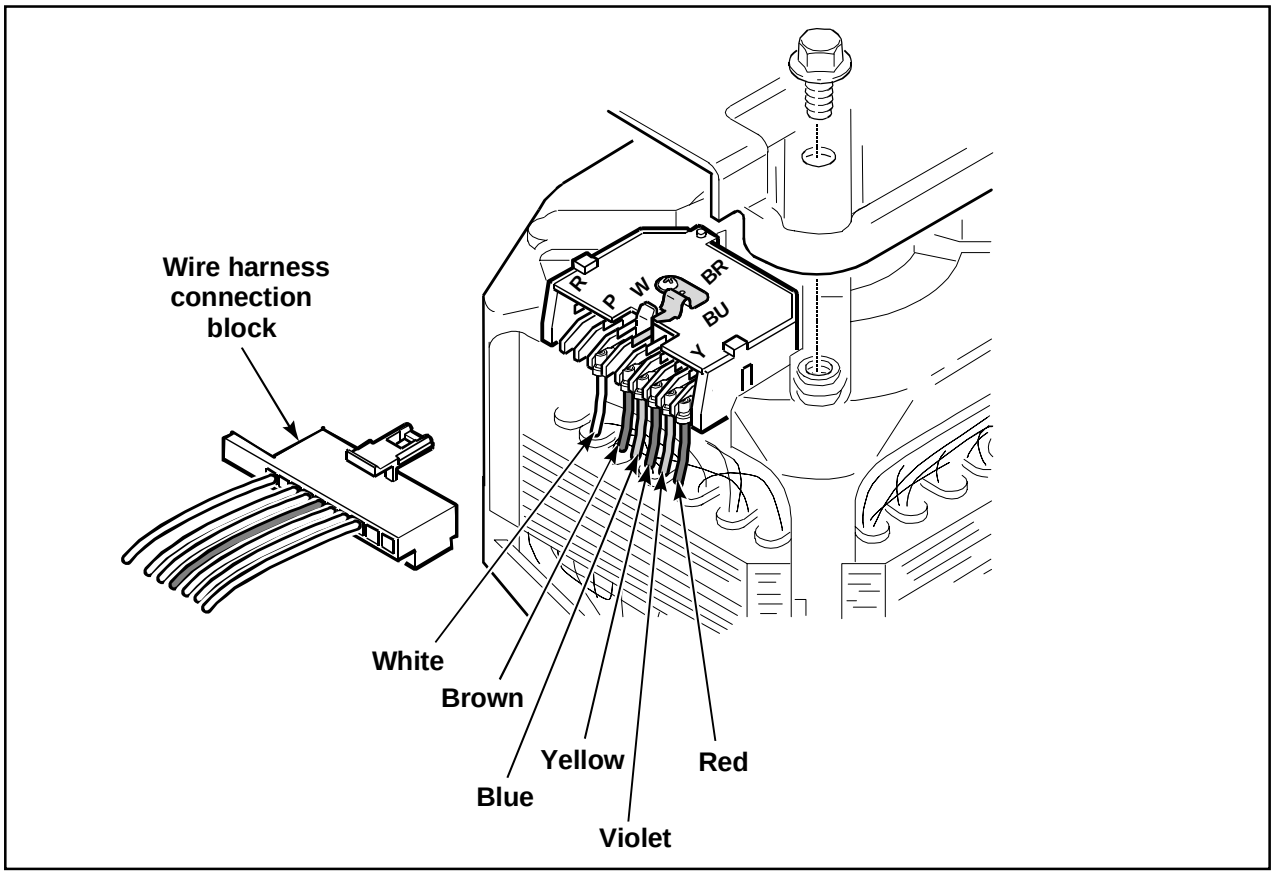

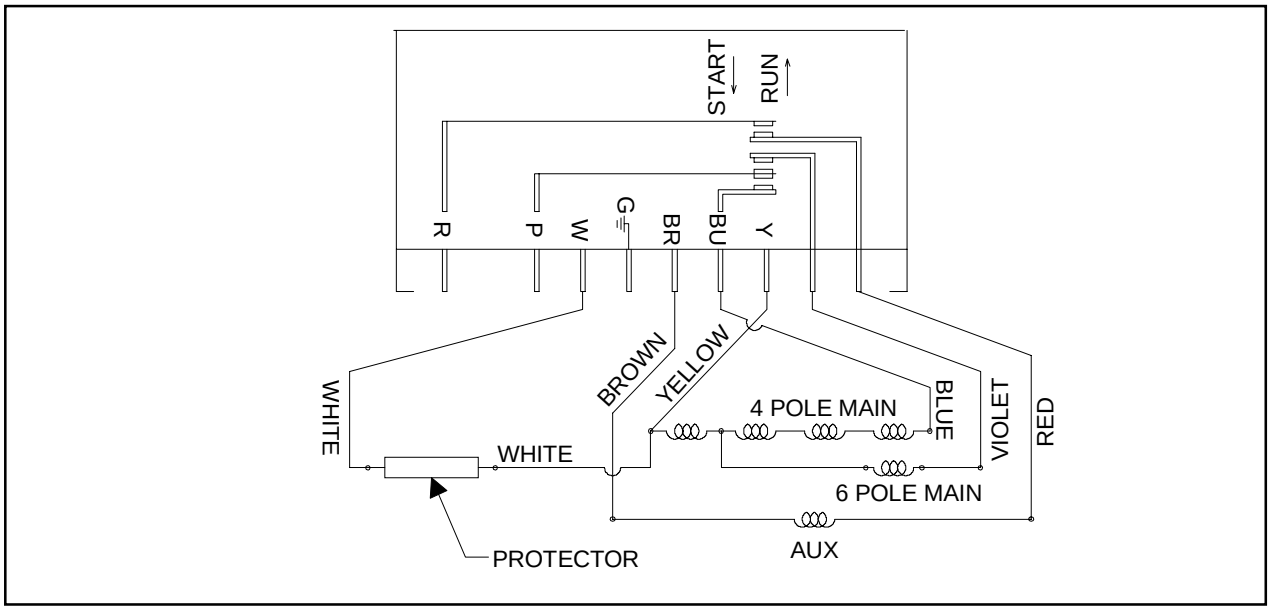

Motor Assembly
(two speed motor)

Wiring Diagram and Schematic

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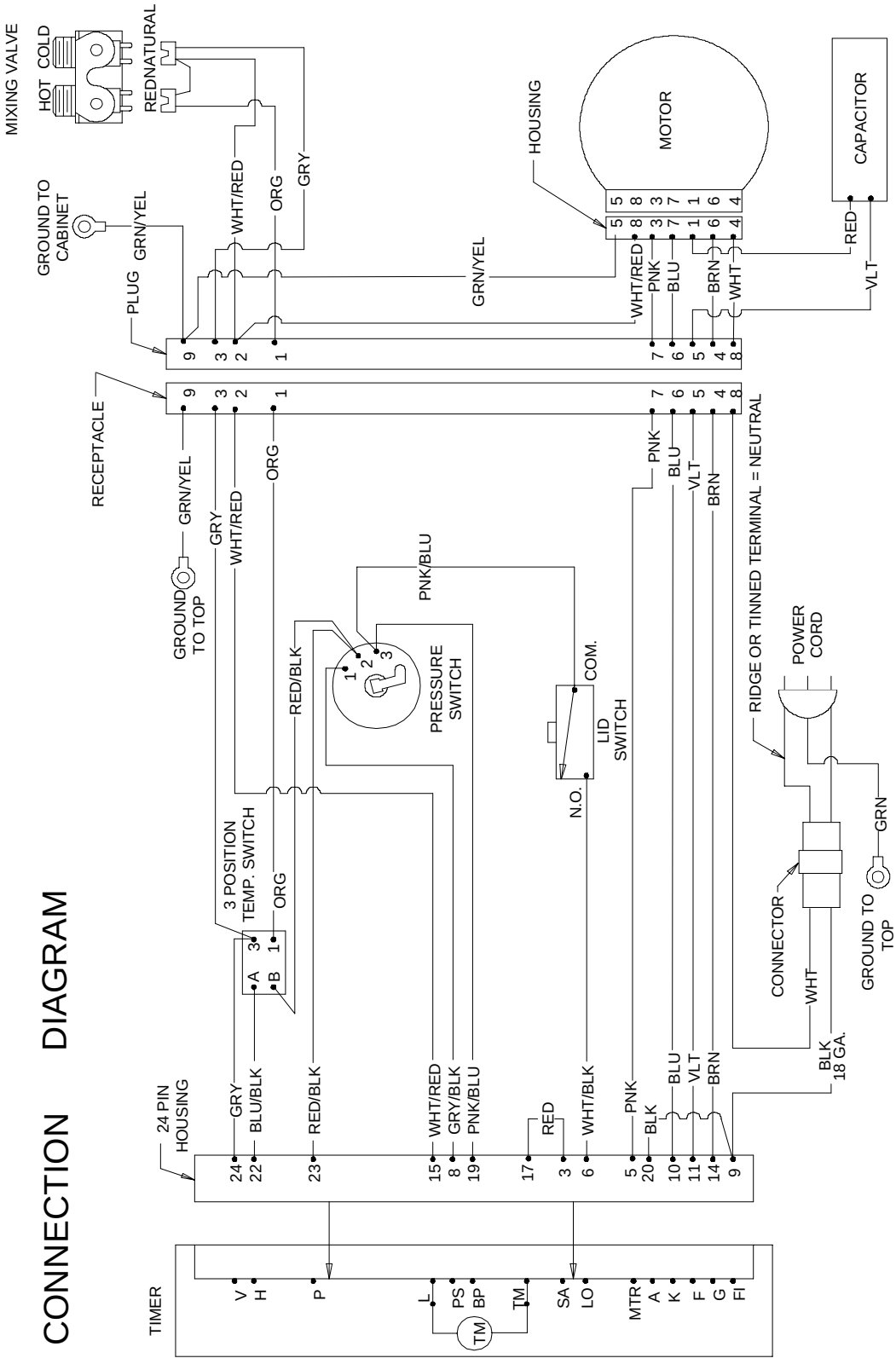

Wiring Diagram and Schematic

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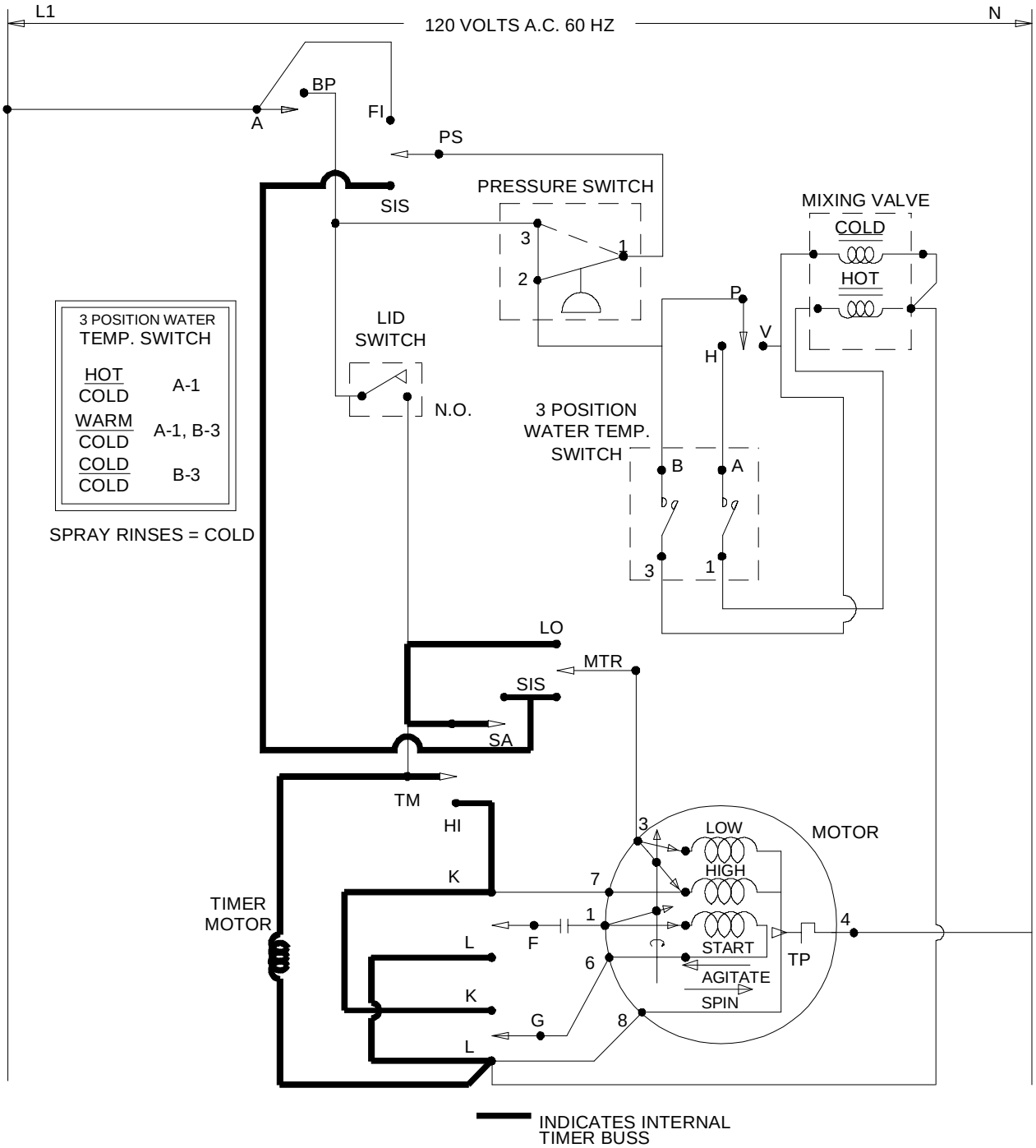
SCHEMATIC



Timer Cycle Chart

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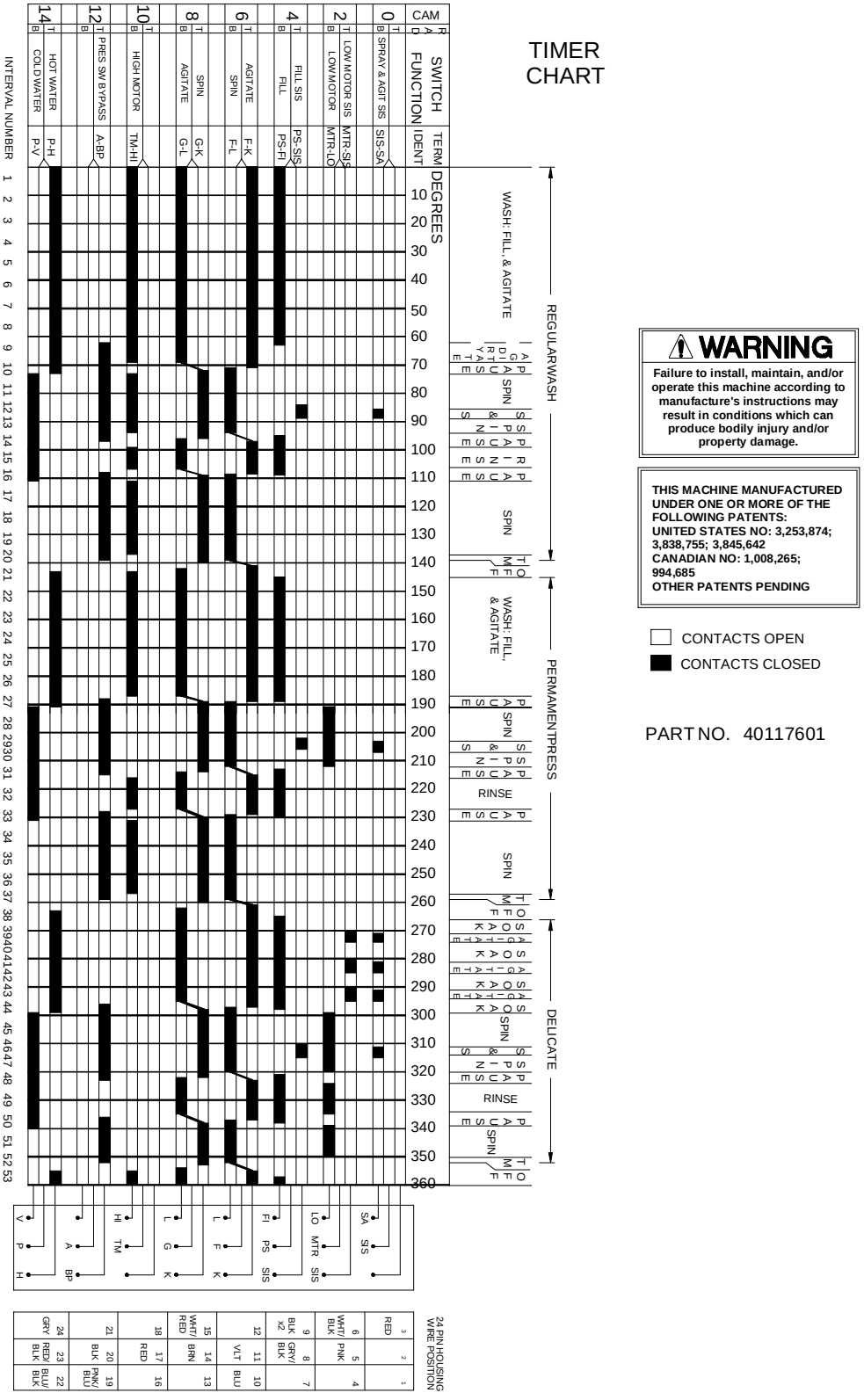

WARNING

Failure to install, maintain, and/or operate this machine according to manufacture's instructions may result in conditions which can produce bodily injury and/or property damage.

THIS MACHINE MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING PATENTS:
UNITED STATES NO: 3,253,874; 3,838,755; 3,845,642
CANADIAN NO: 1,008,265; 994,685
OTHER PATENTS PENDING

□ CONTACTS OPEN
■ CONTACTS CLOSED

PART NO. 40117601